

The contact-surface water heater comprises a housing with a water tank, which is equipped with an overflow device, a combustion chamber, contact chamber with a separator of drop drainage and a perforated water spray with guard plate in which the gas distribution grids are located, which are located above the combustion chamber, blast valve, a burner device which is connected to the gas and air supply systems, nozzle for exit of combustion products, the water supply and discharge nozzles which are mounted on the rear wall of the housing. The combustion chamber is L-shaped in vertical section comprising the slot-like outlet to emit the flue gases in the contact chamber, the guard plate is placed on top of the contact chamber, the housing and the combustion chamber are provided with bottom metal walls, and explosive valve is mounted on the rear wall of the housing.